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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/519,666	03/06/2000	Richard Ian Taylor	1263.1195	8730
5514	7590 04/20/2004		EXAMINER	
FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA			AZARIAN, SEYED H	
NEW YORK,			ART UNIT	PAPER NUMBER
			2625	
			DATE MAILED: 04/20/2004	20

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
_	09/519,666	TAYLOR, RICHARD IAN			
Office Action Summary	Examiner	Art Unit			
	Seyed Azarian	2625			
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet wit	h the correspondence address			
A SHORTENED STATUTORY PERIOD FOR F THE MAILING DATE OF THIS COMMUNICAT - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communicati - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ION. FR 1.136(a). In no event, however, may a re on. i, a reply within the statutory minimum of thirty period will apply and will expire SIX (6) MONT statute, cause the application to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	12 January 2004.				
2a) This action is FINAL . 2b) ⊠	This action is FINAL . 2b)⊠ This action is non-final.				
3) Since this application is in condition for all	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice un	der <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.			
Disposition of Claims					
4) Claim(s) 1-24 is/are pending in the applic	ation.				
4a) Of the above claim(s) is/are with	thdrawn from consideration.				
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.				
6) Claim(s) <u>1-6,8-14,16-20, 21/9-14,21/16-2</u>	Claim(s) <u>1-6,8-14,16-20, 21/9-14,21/16-20,22/9-14,22/16-20,23,24</u> is/are rejected.				
7) Claim(s) <u>7,15,21/15,2215</u> is/are objected	to.				
8) Claim(s) are subject to restriction a	and/or election requirement.				
Application Papers					
9)☐ The specification is objected to by the Exa	aminer.				
10)⊠ The drawing(s) filed on <u>06 March 2000</u> is/	are: a)⊠ accepted or b)⊡ obje	cted to by the Examiner.			
Applicant may not request that any objection t	to the drawing(s) be held in abeyand	ce. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the c	correction is required if the drawing(s	s) is objected to. See 37 CFR 1.121(d).			
11)☐ The oath or declaration is objected to by t	he Examiner. Note the attached	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for for a laim for for a) All b) Some * c) None of: 1. Certified copies of the priority docu 		119(a)-(d) or (f).			
Certified copies of the priority docu	ments have been received in Ap	plication No			
3. Copies of the certified copies of the	e priority documents have been r	received in this National Stage			
application from the International B	ureau (PCT Rule 17.2(a)).				
* See the attached detailed Office action for	a list of the certified copies not r	eceived.			
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-94) 	· —	ımmary (PTO-413) /Mail Date			
Notice of Draftsperson's Patent Drawing Review (PTO-94 Information Disclosure Statement(s) (PTO-1449 or PTO/94)		formal Patent Application (PTO-152)			
Paper No(s)/Mail Date	6) Other:	_			

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RESPONSE TO AMENDMENT

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/12/2004 has been entered.
- 2. Applicant's arguments see page 10 through 16, filed 1/12/2004, with respect to the rejection(s)of claims 1-24 under 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Kirsten (U.S. patent 6,011,901) and Kosaka (U.S. patent 4,916,540).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
- 4. Claims 1,5-6, 9, 13-14, 16-19, 21/9, 21/13-14, 21/16-19, 22/9, 22/13-14, 22/16-19 and 23, are rejected under 35 U.S.C. 102(e) as being anticipated by Kirsten (U.S. patent 6,011,901).

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Regarding claim 1, Kirsten discloses an apparatus for processing image data defining a plurality of input images of a changing scene recorded at different time from at least one of different viewing position and different viewing directions to generate data for defining a sequence of images conveying an evolving representation of the scene from a fixed viewing position and direction comprising: (column 5, lines 21-38, timelapse processing, also column 8, lines 32-54, series of images connected in time sequence to convey motion or time related activity, also column 13, lines 1-11, fixed-view image sequences characteristic of surveillance video);

An image-registering unit, arranged to register the input images so that the registered input images represent the scene from the same viewing position and direction (Fig. 8, column 11, lines 38-61, phase registration and measurement are derived from synchronization data of all video stream, and column 28, lines 33-44, calculation at different rate and time);

And a pixel value interpolator arranged to interpolate between pixel values of the registered input images to generate pixel values for interpolated images form the same viewing position and direction relative to scene for the image sequence (Fig. 14, column 17, line 59 through column 18, line 9, reducing the pixel density of images by respacing pixels through interpolation).

Regarding claim 5 and 13, Kirsten discloses apparatus, wherein the pixel value interpolator is arranged to generate the pixel value using linear interpolation (column 23, lines 28-46, the data profiles by the enhanced loop constant value data rate and linear-time storage accumulation targets by the basic control loop).

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Regarding claim 6, Kirsten discloses apparatus, wherein the pixel value interpolator is arranged to generate pixel values for interpolated images to be displayed in the image sequence in which each input image is to be displayed a plurality of consecutive times (see claim 1, and column 15, lines 50-65, sequence of images are to be decompressed and displayed).

Regarding claim 16, Kirsten discloses a method according to claim 9, further comprising a step of generation a signal conveying data from which the sequence of images can be generated (column 8, lines 33-54, series of images connected in time sequence to convey motion or time activity).

Regarding claim 17, Kirsten discloses a method according to claim 16, wherein the signal comprises image data (column 9, lines 6-16, image data and the synchronization signals from the analog video).

Regarding claim 18, Robert discloses a method according to claim 16, further comprising the step of recording the signal either directly or indirectly (column 9, lines 54-65, separate recording device).

Regarding claim 19, Kirsten discloses a method according to claim 16, further comprising a step of displaying the sequence of images (column 9, line 65 through column 10, line 9, displaying images).

Regarding claim 21, Kirsten discloses a storage device storing computer-useable instruction for causing a programmable processing apparatus (Fig. 12 A, column 15, lines 12-24, storage device).

Regarding claims 9, 14 and 22-23, the arguments analogous to those presented for claims 1, 6 and 21, are applicable.

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Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2-4, 8, 10-12, 20, 21/10-12, 21/20, 22/10-12, 22/20 and 24, are rejected under 35 U.S.C. 103(a) as being unpatentable over Kirsten (U.S. patent 6,011,901) in view of Kosaka (U.S. patent 4,916,540).

Regarding claim 2, Kirsten fails to disclose, "transformation calculator, calculate transformation to transform the input images". On the other hand Kosaka in the same field of photography teaches video memory with special effect image transformation and converter for converting the read-out address generating circuit including a coefficient calculator defining a function of a tracing curve (column 1, lines 33-56).

Therefore it would have been obvious to one having ordinary skill in the art at the time of the invention was made, to modify Kirsten invention according to the teaching of Kosaka because it provides a special effect for the camera which produces a new image transformation between previously designated image that can easily be implemented in an image device such as video camera.

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Regarding claim 8, Robert discloses image-processing apparatus for calculating transformations to register input image with different viewing position (Fig. 1, column 4, lines 28-39, refer to different frames or references are differentiated by instants corresponding to the frames and frames are supplied by a source of video signals such as a conventional television camera);

and a pixel value interpolator for interpolating between the pixel values of the registered input images to generate pixel values for interpolated images for the image sequence (column 3, lines 24-32, refer to interpolation of images for an interpolated luminance value for each pixel of an image called the image to interpolated).

Regarding claim 21, Kirsten discloses a storage device storing computer-useable instruction for causing a programmable processing apparatus (Fig. 12 A, column 15, lines 12-24, storage device).

Regarding claims 3-4, 10-12, 20 and 24, the arguments analogous to those presented for claims 2 and 8 are applicable.

Regarding claim 22, the arguments analogous to those presented for claim 21 is applicable.

Allowable Subject Matter

6. Claims 7,15, 21/15 and 22/15, are objected as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitation of the base claim and any intervening claims.

Other prior art cited

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7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. patent (5,625,410) to Washing et al is cited for video monitoring and conferencing system.

U.S. patent (6,011,901) to Kirsten is cited for compressed digital video record and playback system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Seyed Azarian whose telephone number is (703) 306-5907. The examiner can normally be reached on Monday through Thursday from 6:00 a.m. to 7:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta, can be reached at (703) 308-5246. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application information Retrieval (PAIR) system. Status information for published application may be obtained from either Private PAIR or Public PAIR.

Status information about the PAIR system, see http:// pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Seyed Azarian Patent Examiner Group Art Unit 2625 March 24, 2004

BHAVESH M. MEHTA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600